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(71)(72) Applicant and Inventor: GLOWNIAK, Marek [PL/PL];
ul. Aleja 1000-Lecia 25, M 4, PL-21-500 Biala-Podlaska
(PL).

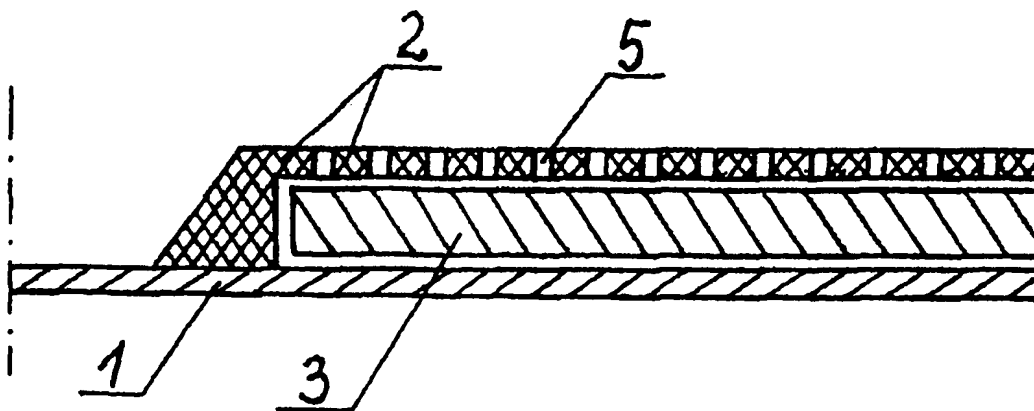
(74) Agent: FEDEROWICZ, Jadwiga; Al. Smiglego-Rydza 29, M
11, PL-93-281 Lodz (PL).

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(54) Title: CAR RUG



(57) Abstract

The car rug has a double bottom at the part laying directly under foot of its user. Between the lower layer (1) and the upper layer (2) there is the absorption pad (3).

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Car rug

The subject of the invention is that of the car rug with absorption pad.

According to the current level of technical progress, car rugs are made of rubber or plastics in a form of a single layer with a swaged surface to be placed directly under its user's foot.

5 The car rug with absorption pad , according to the invention, has a double bottom in the part laying directly under its user's foot. The lower layer creates a shape of the rug, it is uniform and tight-fitting. The upper layer is swaged on its surface and has holes in it. Between the lower and the upper layer - the absorption pad is being placed. There is a longitudinal hole in a side part of the rug which is situated from the
10 side of car door.

 The car rug with absorption pad under consideration prevents gathering of water on the upper rug surface, under its user's foot. Thanks to holes in the upper surface, deposited water penetrates into the absorption pad. The lower layer separates water absorbed by the absorption pad from car upholstery under the rug. Water from
15 the absorption pad is separated by the upper layer from its surface part what prevents water penetration into lower parts of the user's garments; it also decreases a volume of water evaporation resulting in reduced

misting over of windows inside the car. Water absorbed by the absorption pad when freezing , thanks to the upper layer, does not create a slippery surface under the user's
20 foot and especially the driver's foot. In case the absorption pad has been already saturated with water , absorption pad is being removed through a hole in the side part of the rug.

The object of this invention in its exemplary performance is presented by the drawing where Fig.1 shows a top view of the car rug and Fig.2 – its longitudinal
25 section indicating a way of the absorption pad placement.

The car rug with absorption pad is composed of the lower layer (1) and the upper layer (2) with holes (5) and with swaged surface (6). There is a longitudinal hole (4) in the side rug part through which the absorption pad is being replaced (3).

Patent claim

1. The car rug characteristic feature of which is that it is made of the lower layer (1) and the upper layer (2) between which the absorption pad is placed (3).
2. The car rug according to the patent claim No 1 is characterised by the following features: the lower layer (1) is uniform whereas the upper layer (2) is swaged (6) and has holes on its surface (5).
3. The car rug according to the patent claim No 1 is characterised by the fact that absorption pad (3) is replaceable what is to be performed through the hole (4).

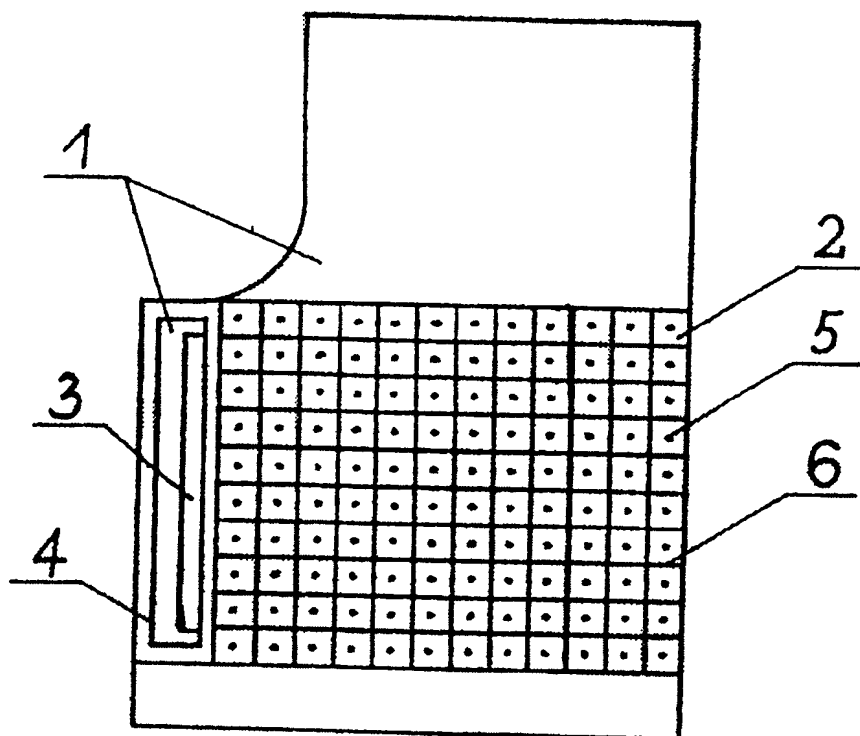


Fig. 1

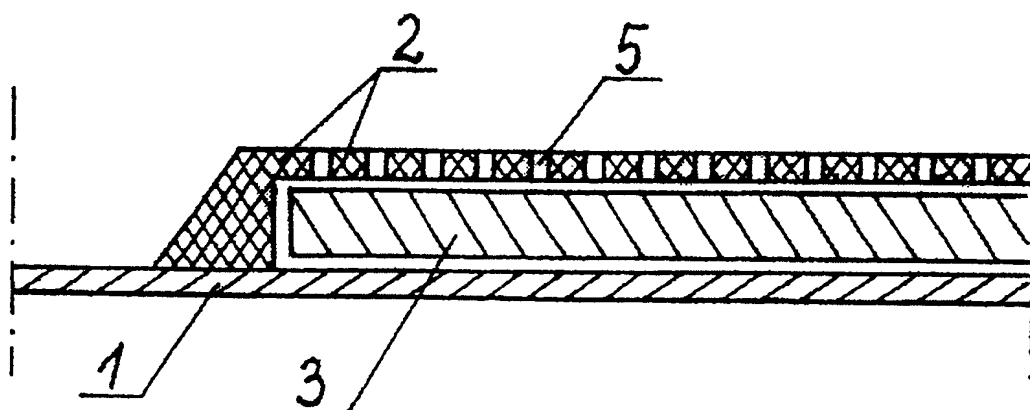


Fig. 2

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60N3/04

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) & JP 07 277055 A (AMII WORLD:KK), 24 October 1995 (1995-10-24) abstract	1-3
A	US 5 021 277 A (FAN SUNG-HSING) 4 June 1991 (1991-06-04)	
A	US 5 270 089 A (ALSTON ERIC E ET AL) 14 December 1993 (1993-12-14)	
A	US 5 011 007 A (KENIMER BARRY K) 30 April 1991 (1991-04-30)	
A	EP 0 379 630 A (SAGONA MARGHERITA) 1 August 1990 (1990-08-01)	
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☒ Patent family members are listed in annex.

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Horváth, R

INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 28 36 110 A (HOELTER HEINZ) 28 February 1980 (1980-02-28) ---	
A, P	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) & JP 11 075576 A (KUREATERA:KK;NIPPON CHIKO CO LTD), 23 March 1999 (1999-03-23) abstract -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 07277055	A	24-10-1995	NONE	
US 5021277	A	04-06-1991	NONE	
US 5270089	A	14-12-1993	NONE	
US 5011007	A	30-04-1991	NONE	
EP 0379630	A	01-08-1990	IT 1228504 B	19-06-1991
DE 2836110	A	28-02-1980	NONE	
JP 11075576	A	23-03-1999	NONE	

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